

TOMA

New high yielding variety.

IDENTITY PRESERVED

2500 CHU

RM: 00.7



CULTIVAR HIGHLIGHTS

- _ Possesses all the indispensable agronomic characteristics:
 - 1- Tolerance to diseases.
 - 2- Excellent standability.
 - 3- Vigour early in the season and uniformity.
- _ Performs well in all soil types.
- _ Excellent yield for its maturity.
- _ Hardy plant.

CHARACTERISTICS OF VARIETY

DAYS TO MATURITY*	
ZONE OF LESS THAN 2600 CHU	123 DAYS
ZONE OF MORE THAN 2600 CHU	107 DAYS
CANOPY TYPE	SEMI BUSHY
HILUM COLOR	IMPERFECT YELLOW
PUBESCENCE COLOR	TAWNY
PROTEIN %	41%
PLANT HEIGHT**	3
STANDABILITY**	4
HEIGHT OF 1ST POD**	3
POD SHATTERING RESISTANCE**	3
WHITE MOLD TOLERANCE**	5
PHYTOPHTORA TOLERANCE**	GOOD (RPS 1c)
IRON DEFICIENCY CHLOROSIS	3.5
SPRING EMERGENCE**	4.5
NO TILL ADAPTABILITY**	4.5
NUMBER OF SEEDS/KG	4,900 – 5,300

SEEDING RATE AND POPULATIONS ACCORDING TO ROW SPACING

(NUMBER OF SEEDS PER METER)

7 in/18 cm

115 kg/ha – 590,000 seeds/ha (10.3 seeds/m)

14 in/35 cm

105 kg/ha – 540,000 seeds/ha (18.9 seeds/m)

30 in/75 cm

N/R

kg/ha X 0.89 = lb/acre seed/m X 0.3 = seed/foot

Note: best results usually obtained at 7 or 14 inches (18 or 35 cm); N/R = not recommended

NOTES

* **Maturity** = 95% of pods reached their maturity color (brown). 5 to 10 more days are usually necessary for the humidity of grain to become inferior to 15%.

** **Rates:** from 1 to 5 where 1 = low, 3 = medium & 5 = high; n/a = data not available



Prograin

NOTICE

Information and ratings provided are based on comparisons between Prograin's soybean varieties only. Information and ratings are assigned by Prograin's agronomists and research managers. They are based on test averages performed under normal conditions during various years and in various locations in Quebec. They don't predict results under all conditions. Soybean varieties' adaptation can vary and is subject to many environmental stresses: climate, pest & diseases. Please contact a Prograin sales professional to obtain more precise and up to date information.

BRAND

Qualipro® represents Prograin's non-GMO soybean varieties, which possess particular characteristics for the food grade market such as for the fabrication of Tofu, soybean beverages and natto. These varieties are available only for production under contract and are associated with special premiums to the grower.

IP represents Prograin's non-GMO soybean varieties, possessing good characteristics for the food grade market (clear hilum). These varieties are available for production without contract but are also available for production under contract with Prograin for the Identity Preserved market.

DAYS TO MATURITY

Based on Quebec's growing conditions, average of three year tests.

PROTEIN %

Calculated on dry matter basis; compare data between varieties only, this value can vary from year to year, between locations and management practices.

SCLEROTINIA TOLERANCE

Based on cultivar observations and tests performed in greenhouse, laboratory and field during two years. All varieties can develop white mold symptoms under severe infestations. However there are differences in their ability to resist disease development. Our ratings reflect this reality.

PHYTOPHTORA TOLERANCE

Based on field and laboratory observations.

n/a = not available, no known resistance gene.

Rps 1a = resistant to races 1, 2, 10, 11, 13, 15-18, 24, 26, 27

Rps 1c = resistant to races 1-3, 6-11, 13, 15, 17, 21, 23, 24, 26

Rps 1k = resistant to races 1-11, 13-15, 17, 18, 21, 22, 24, 26

IRON DEFICIENCY TOLERANCE

Based on field test results performed in areas where the problem is recurrent.

NUMBER OF SEEDS/KG

Seed size provided here has been calculated on averages over multiple years and locations in Quebec. However these values can and will vary from place to place and from year to year. Please always refer to the information printed on the bags to calculate your seeding rate: based on the recommended population and according to row spacing.

SEED POPULATION/HA

This information represents the recommended seed population needed to obtain optimum yield and is based on averages from three year tests at Prograin's research location in Quebec. These populations are based on a 90% germination rate. Optimum population can and will vary from place to place according to soil type and climatic conditions.